

SPEEDOHEALER v4



Install Guide for **SH-K04** Harness Kit

For use with the following KAWASAKI motorcycles:

ZX-10R (2006-2009)

Disclaimer: Do not attempt to install the product if you don't have basic mechanical skills. The SpeedoHealer is intended to improve speedometer accuracy. However, HealTech Electronics Ltd. and its distributors shall not be liable for any loss, damage or penalties caused by improper installation or inaccurate speed readings.

Installation

→ Before you connect the SpeedoHealer harness connectors to the bike's electrical system, it is necessary to install the supplied 3-pole plug adapters. Installing the plug adapters is a simple and reversible process. No need to cut or splice any wires.

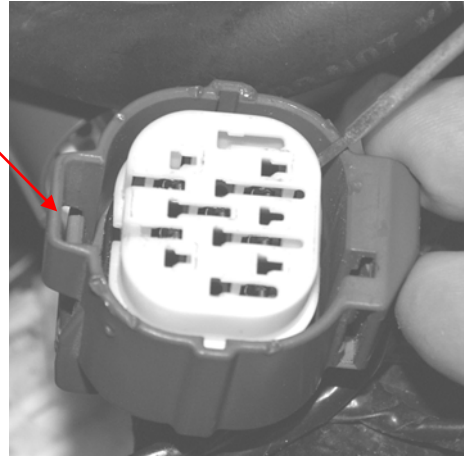
Preparation:

- Find the plug adapters bundled with your Harness Kit (a set of 3-pole black plugs)
- The ignition key should be in OFF position.
- Raise the rear wheel off the ground by using a stand. Make sure the rear wheel spins freely.
- Remove the seat and fuel tank.

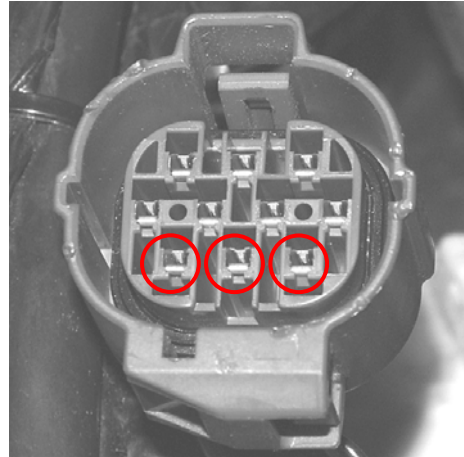
1. Locate the 10-pin grey coupler (*in red circle on the right*).



- Depress the release tang (HERE) and separate the coupler. You may need to use a flat-head screwdriver to get the coupler apart.



- Remove the white pin protectors from BOTH plugs by using a screwdriver, as shown on the right. Note the orientation of the pin protectors.



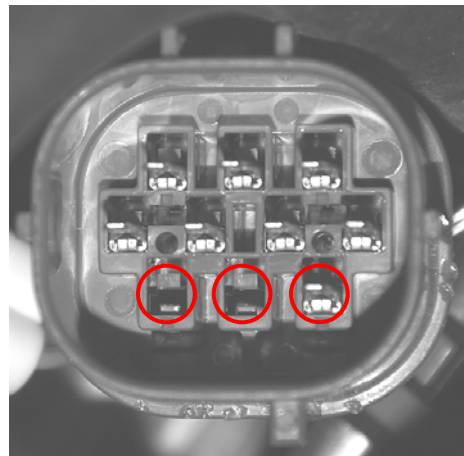
- Release and remove three pins from the female plug as shown on the right. These are:
 - **2006-2007 models:** Blue, Blue/Yellow and Black/Yellow
 - **2008-2009 models:** Blue, Blue/Yellow and Brown/Black

To release a pin, move the pin forward with a small screwdriver then GENTLY press down. When the pin is released, pull out the wire gently from the back.

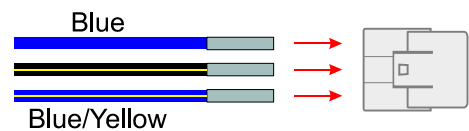
You may need to peel back some of the black sleeve to completely remove the pins.

- Release and remove the three pins from the male plug as well, as shown on the right. These are the **Blue**, **Blue/Yellow** and **Black/Yellow** leads on all model years.

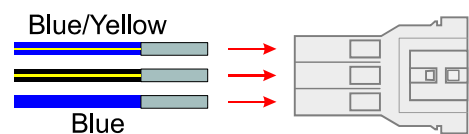
To release a pin, move the pin forward with a small screwdriver then GENTLY press down. When the pin is released, pull out the wire gently from the back.



- Insert the three female metal contacts (shorter ones) into the **Smaller 3-pole** plug supplied through the back until they click into place. The diagram on the right shows the lead orders with the **lock pin on top**. The Black/Yellow lead is in the middle position.



- Insert the three male metal contacts (longer ones) into the **Larger 3-pole** plug through the back until they click into place. The diagram on the right shows the lead orders with the **lock hole on top**. The wire in the middle position is:



- **2006-2007 models:** Black/Yellow
- **2008-2009 models:** Brown/Black

8. Re-install the white pin protectors (which you removed in step 3) in both 10-pole connectors.
9. Reconnect the 10-pin grey connector.
10. After installing the plug adapters, plug in both the male and female 3-pole SH harness connectors. Make sure the connectors are fully seated.
11. Connect the 4-pole SH harness connector to the SH box.
12. Check whether the SH is installed and working properly:
 - Have the ignition OFF.
 - Press **SEL** and keep it depressed while you turn ignition ON. [t] (test) is now indicated. Release the button.
The speedo should indicate a number other than zero.
 - Rotate the rear wheel.
[t] should be blinking as the wheel turns.
 - Press **SEL** to exit from Test mode.
The speedometer should work the same way as with no SH installed.

If the tests fail, disconnect the 3-pole and 4-pole connectors and check whether the connector pins are bended or pushed out of position.
13. Find a place in your bike for the SH box regarding the followings:
 - To be able to change the settings easily, place the unit where it is quickly accessible.
 - Frequently wet areas should be avoided.
 - Do not place the unit very close to hot places like the engine or exhaust pipe.
 - Keep at least 2 cm (1") distance from other electronics, such as the bike's ECU or a Power Commander.

In most cases, the under-seat compartment is the best location for the box. Secure the unit with the supplied Velcro strips.
14. Neatly route the SH harness from the 3-pole plugs to the mounting location, preferably along the frame. To reduce possible interference, try not to route the SH harness along with other electrical cables.
Do not bend the SH harness near the SH connector. Otherwise the pins may break over time.
To minimize cable stress, use the supplied cable ties to fasten the unit and the harness to a solid part of the bike. Make sure that the SH switches won't be hit by loose objects in the trunk.
15. Connect the 2-pole plug of the remote button. Route the harness towards the front end of the bike and secure the remote button at the dashboard with the supplied cable ties.
If you wish, you can easily change the harness length or replace the remote button per your liking (any SPST momentary "push-to-make" switch can be used).
16. Please visit ***www.speedohealer.com*** and use our on-line calculator to generate set-up instructions for your SH. Alternatively, refer to the *User's Guide* for instructions.